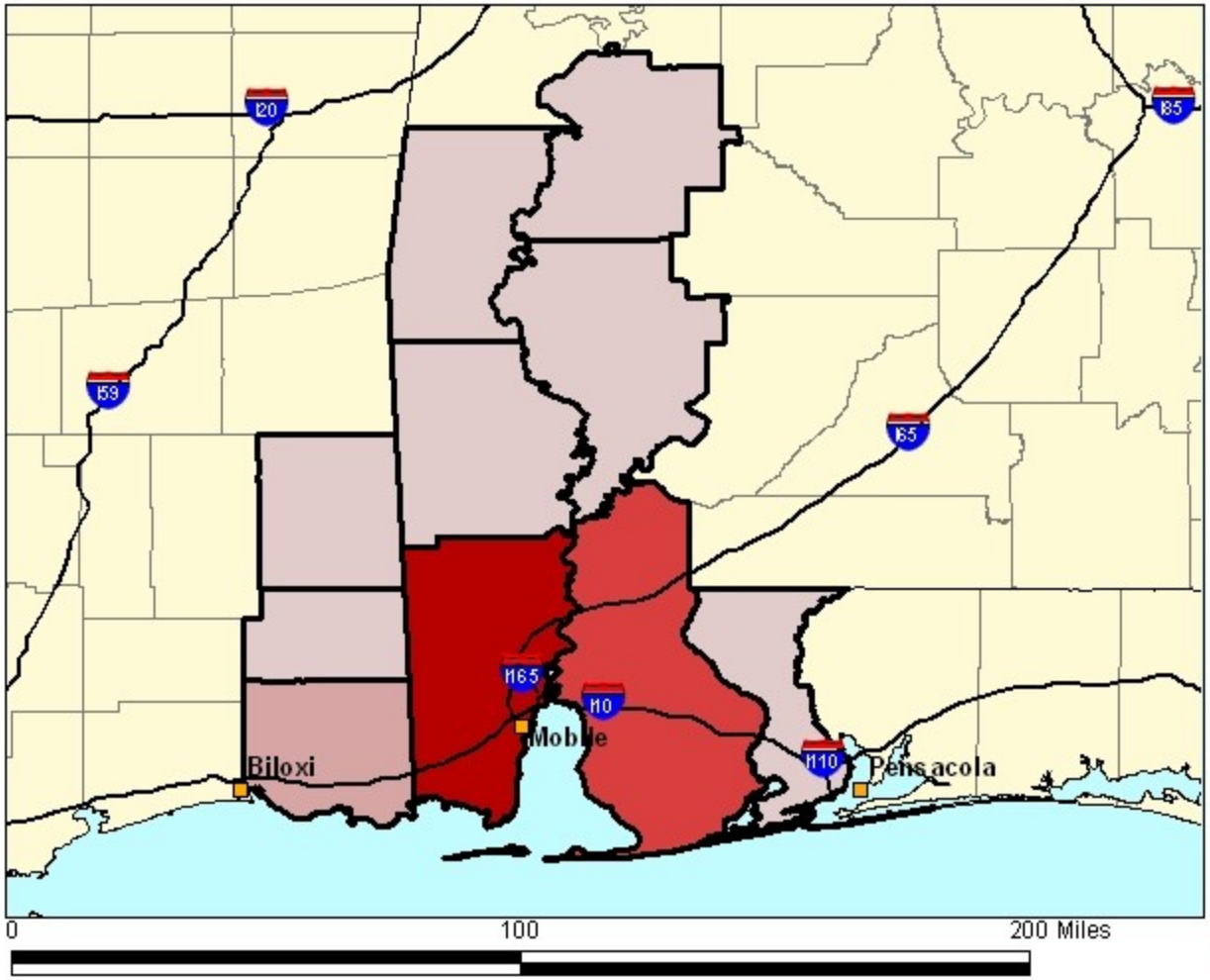
US Army Corps of Engineers

Hurricane Exercise Debris Model

Landfall Expected In About **4** Hours

For Official Use Only!



Post Landfall Debris Model Results

Alabama - 12,634,000 Yards
Mississippi - 186,000 Yards
Florida – 1,000 Yards

Model results per county on following page

This model is based on a Category 3 storm making landfall near Mobile, AL.

Debris

- < 100,000 cubic yards
- 100,000 - 249,999 cubic yards
- 250,000 - 499,999 cubic yards
- 500,000 - 999,999 cubic yards
- >1,000,000 cubic yards

Information provided on this page displays a Category 3 storm making landfall near Mobile, AL. These projections are based on information from the NHC (0800 EDT 06/05/2007) forecast. The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

Hurricane Exercise Debris Model	
Generated By: Siemsen, LRL 0830 EDT 06/05/2007	
Sources: HURREVAC LRL-DEBRIS	Page 1 of 12

US Army Corps of Engineers

Hurricane Exercise Debris Model

Landfall Expected In About **4** Hours

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State	Yards per State	County	Yards per County
Alabama		Baldwin	990,000
		Choctaw	< 1,000
		Clarke	26,000
		Marengo	2,000
		Mobile	11,529,000
		Washington	87,000
Alabama	12,634,000		
Florida		Escambia	< 1,000
Florida			
Mississippi		George	4,000
		Greene	< 1,000
		Jackson	182,000
Mississippi	186,000		

The amount of debris forecasted is possible total volume, not necessarily the volume that may need to be removed with Federal funds.

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Hurricane Exercise Debris Model

Generated By:
Siemsen, LRL 0830 EDT 06/05/2007

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Exercise Population Model

Landfall Expected In About **4** Hours

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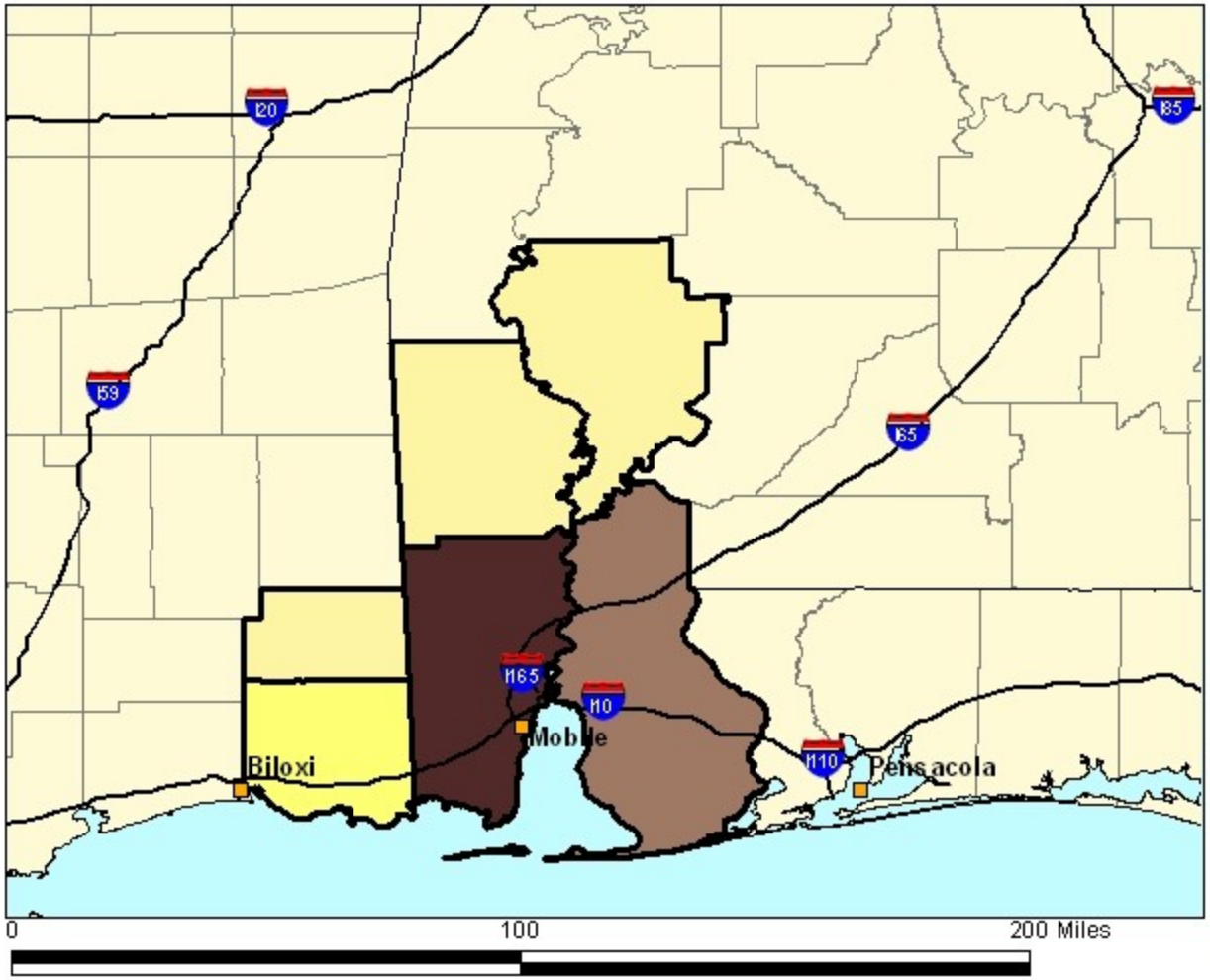

Post Landfall Population Model Results

Alabama - 536,000
Mississippi - 48,000

Model results per county on following page

This model is based on a Category 3 storm making landfall near Mobile, AL.

Population

- < 25,000 persons
- 25,000 - 99,999 persons
- 100,000 - 174,999 persons
- 175,000 - 249,999 persons
- > 250,000 persons

Information provided on this page displays a Category 3 storm making landfall near Mobile, AL. These projections are based on information from the NHC (0800 EDT 06/05/2007) forecast. The numbers of persons included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2005 values).

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

Hurricane Exercise Population Model	
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US Army Corps of Engineers

Hurricane Exercise Population Model

Landfall Expected In About **4** Hours

For Official Use Only!

State	Population per State	County	Population per County
Alabama		Baldwin	124,000
		Clarke	4,000
		Mobile	398,000
		Washington	10,000
Alabama	536,000		
Mississippi		George	< 1,000
		Jackson	48,000
Mississippi	48,000		

The number of persons estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2005 values.

Details about this model may be obtained at **https://englink.usace.army.mil** or contact ENGLink at 1-877-936-4546

Hurricane Exercise Population Model

Generated By:
Siemsen, LRL 0830 EDT 06/05/2007

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Exercise Households Model

Landfall Expected In About **4** Hours

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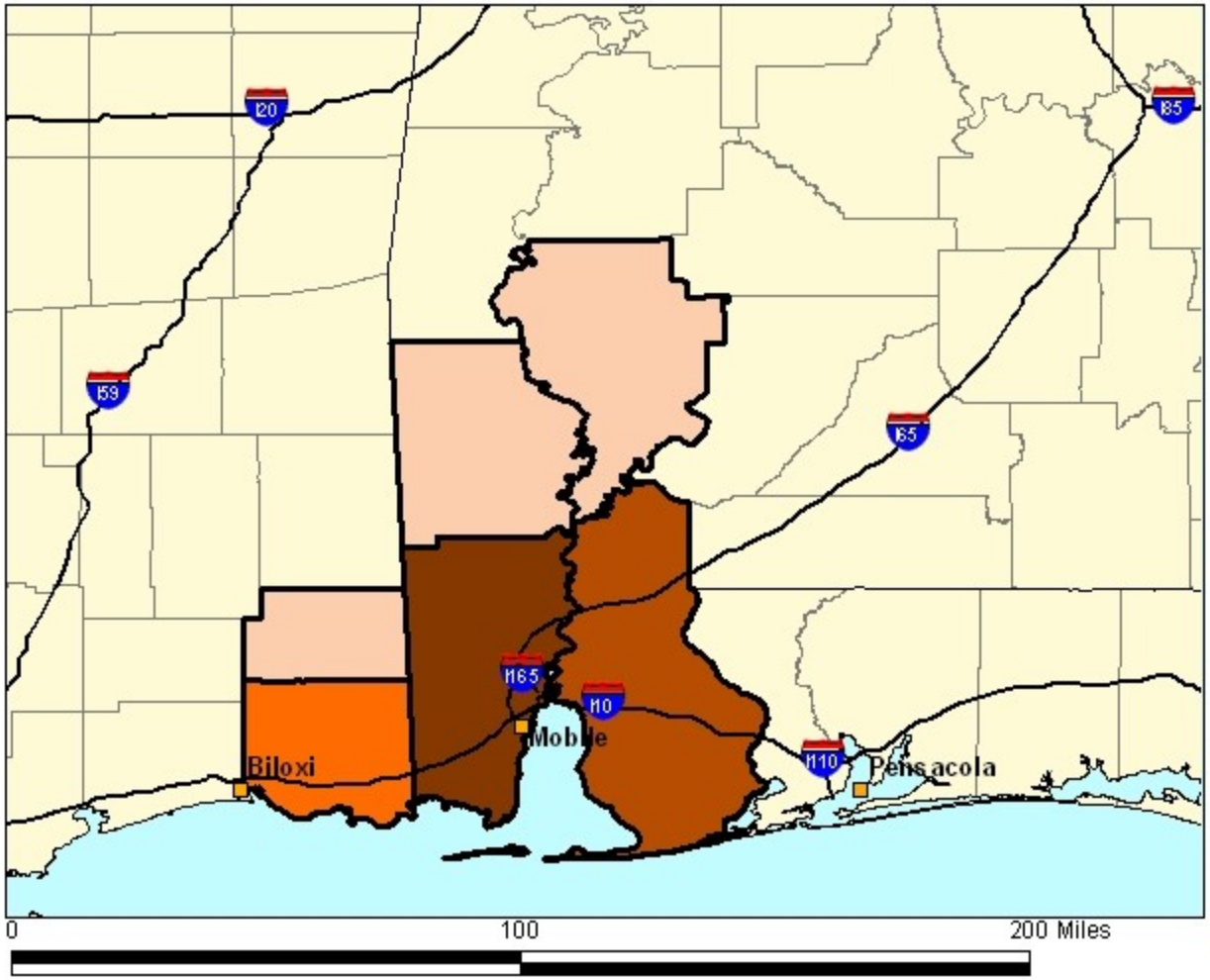

Post Landfall Households Model Results

Alabama - 206,000
Mississippi - 18,000

Model results per county on following page

This model is based on a Category 3 storm making landfall near Mobile, AL.

Households

- < 7,500 households
- 7,500 - 14,999 households
- 15,000 - 24,999 households
- 25,000 - 49,999 households
- > 50000 households

Information provided on this page displays a Category 3 storm making landfall near Mobile, AL. These projections are based on information from the NHC (0800 EDT 06/05/2007) forecast. The numbers of households included in this model output are those that would be included within estimated hurricane force winds (Census 2000 values adjusted to July 2005 values).

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

Hurricane Exercise Households Model	
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US Army Corps of Engineers

Hurricane Exercise Households Model

Landfall Expected In About **4** Hours

For Official Use Only!

State	Households per State	County	Households per County
Alabama		Baldwin	50,000
		Clarke	2,000
		Mobile	150,000
		Washington	4,000
Alabama	206,000		
Mississippi		George	< 1,000
		Jackson	18,000
Mississippi	18,000		

The number of households estimated to be within the hurricane force winds comes from Census 2000 values adjusted to July 2005 values.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

Hurricane Exercise Households Model

Generated By:
Siemsen, LRL 0830 EDT 06/05/2007

Sources:
HURREVAC
LRL-DEBRIS

US Army Corps of Engineers

Hurricane Exercise Commodities Model

Landfall Expected In About **4** Hours

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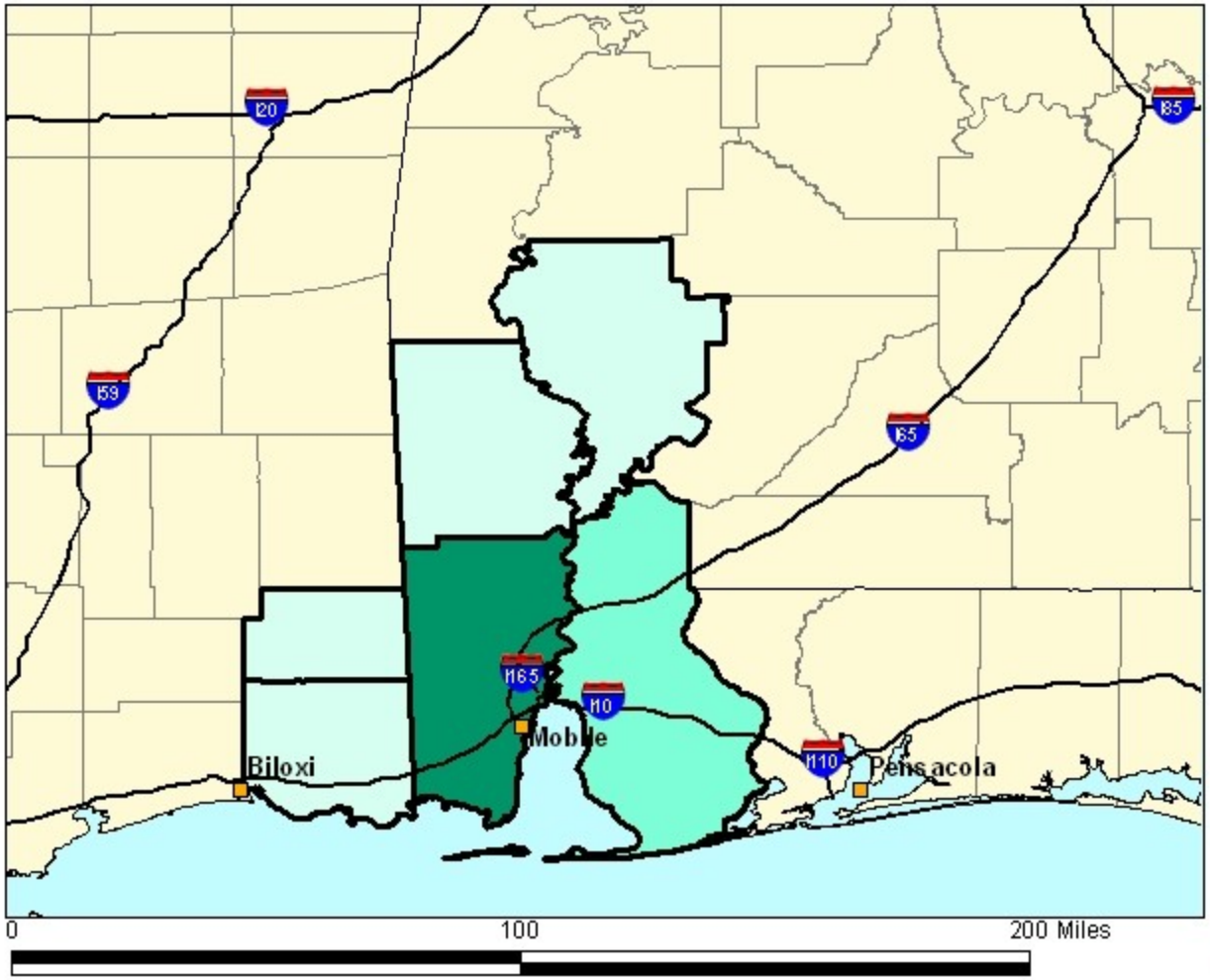

Post Landfall Ice/Water Model Results

Day One / Day Two / Day Three
AL – 11/22/44 Truckloads Each
MS – 2/3/5 Truckloads Each

Model results per county on following page

This model is based on a Category 3 storm making landfall near Mobile, AL.

Commodities

- < 5 Trucks Each
- 5 - 10 Trucks Each
- 11 - 20 Trucks Each
- 21 - 40 Trucks Each
- > 40 Trucks Each

Information provided on this page displays a Category 3 storm making landfall near Mobile, AL. These projections are based on information from the NHC ***(0800 EDT 06/05/2007)*** forecast. The amount of commodities forecasted is based on Mission Guide Book requirements (8 pounds of ice per person per day) and SME input. The graphic represents single day needs with full distribution system in place and operating.
Details about this model may be obtained at **https://englink.usace.army.mil**
or contact ENGLink at 1-877-936-4546

Hurricane Exercise Commodities Model	
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US Army Corps of Engineers

Hurricane Exercise Commodities Model

Landfall Expected In About **4** Hours

For Official Use Only!

State	Truckloads per State	County	Truckloads per County
Alabama		Baldwin	10
		Clarke	1
		Mobile	32
		Washington	1
Alabama	44		
Mississippi		George	1
		Jackson	4
Mississippi	5		

The amount of commodities forecasted is based on Mission Guide Book requirements (8 pounds of ice per person per day) and SME input and the above table indicates suggested needs based on phased deployment of a commodities distribution system. The assumption in this scenario is that 40% of the resident population affected by the hurricane will have power outage in this area and cause a need for ice and water.

Details about this model may be obtained at **https://englink.usace.army.mil**
or contact ENGLink at 1-877-936-4546

Hurricane Exercise Commodities Model

Generated By:
Siemsen, LRL 0830 EDT 06/05/2007

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Exercise Temporary Housing Model

US Army Corps of Engineers

Landfall Expected In About **4** Hours

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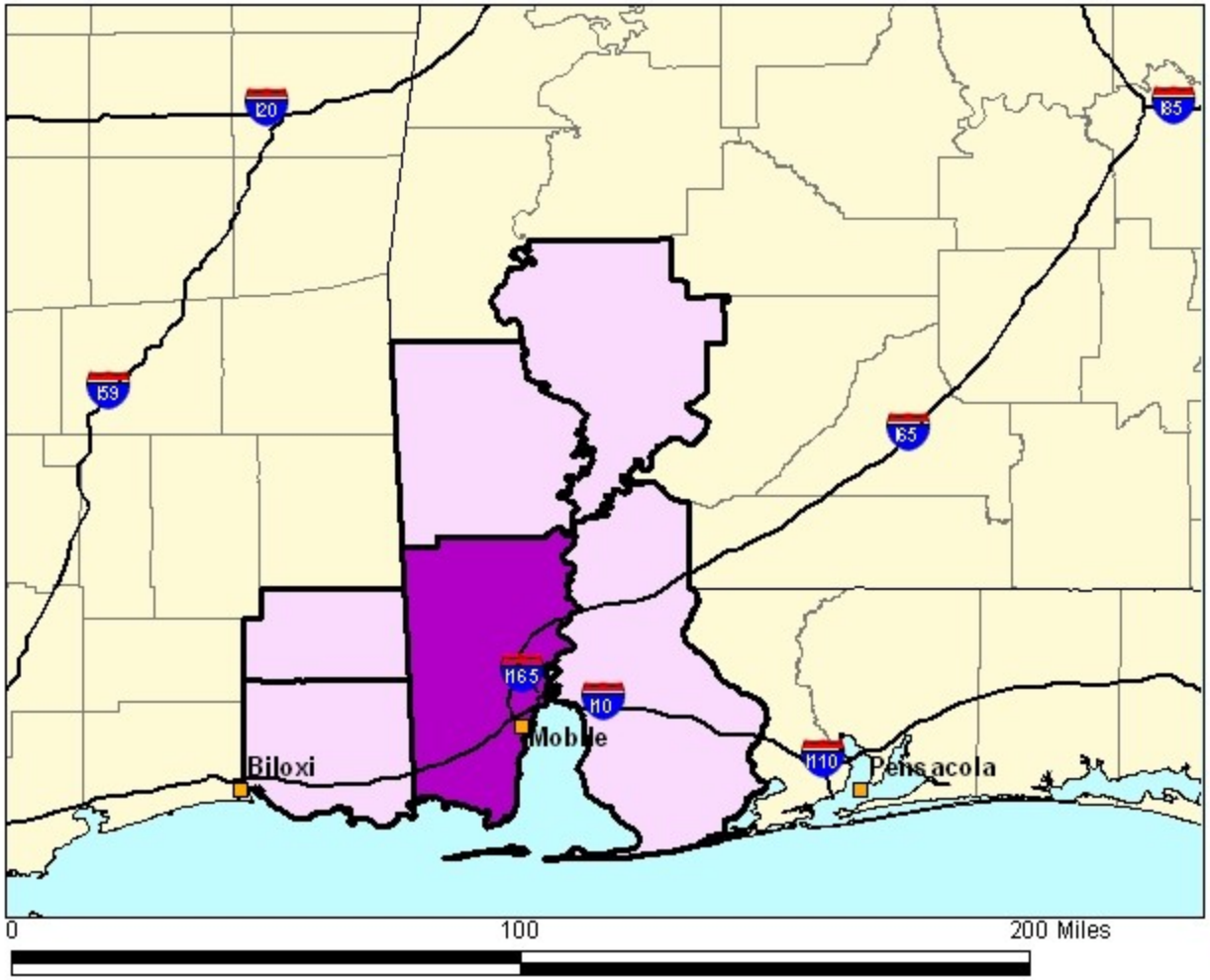

Post Landfall Temporary Housing Model Results

Alabama - 6,800
Mississippi - 200

Model results per county on following page

This model is based on a Category 3 storm making landfall near Mobile, AL.

Temporary Housing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 3 storm making landfall near Mobile, AL. These projections are based on information from the NHC (0800 EDT 06/05/2007) forecast. Temporary housing is based on 1% in CAT 1, 3% in CAT 2 and 5% in CAT 3.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

Hurricane Exercise Housing Model	
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US Army Corps of Engineers

Hurricane Exercise Temporary Housing Model

Landfall Expected In About **4** Hours

For Official Use Only!

State	per State	County	per County
Alabama		Baldwin	1,100
		Clarke	< 100
		Mobile	5,700
		Washington	< 100
Alabama	6,800		
Mississippi		George	< 100
		Jackson	200
Mississippi	200		

THIS IS AN EXPERIMENTAL MODEL!!

Temporary housing is based on 1% in CAT 1, 3% in CAT 2 and 5% in CAT 3.

Details about this model may be obtained at https://englink.usace.army.mil
or contact ENGLink at 1-877-936-4546

Hurricane Exercise Housing Model

Generated By:
Siemsen, LRL 0830 EDT 06/05/2007

Sources:
HURREVAC
LRL-DEBRIS

Hurricane Exercise Temporary Roofing Model

US Army Corps of Engineers

Landfall Expected In About **4** Hours

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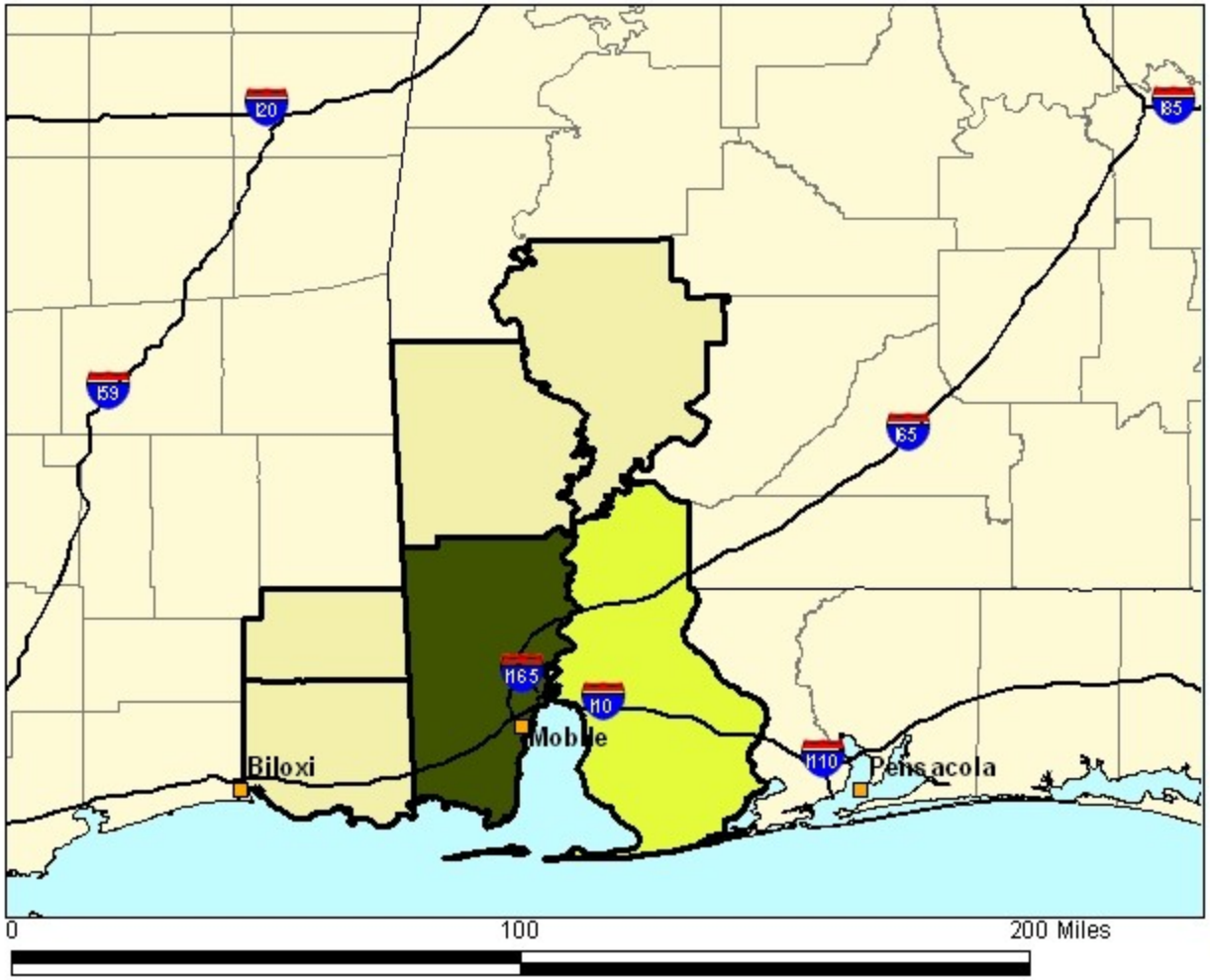

Post Landfall Temporary Roofing Model Results

Alabama - 15,800
Mississippi - 400

Model results per county on following page

This model is based on a Category 3 storm making landfall near Mobile, AL.

Temporary Roofing

- < 2,000 units
- 2,000 - 3,999 units
- 4,000 - 5,999 units
- 6,000 - 9,999 units
- > 10,000 units

Information provided on this page displays a Category 3 storm making landfall near Mobile, AL. These projections are based on information from the NHC (0800 EDT 06/05/2007) forecast. Temporary roofing is based on 2% in CAT 1, 6% in CAT 2 and 10% in CAT 3.

Details about this model may be obtained at https://englink.usace.army.mil or contact ENGLink at 1-877-936-4546

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US Army Corps of Engineers

Hurricane Exercise Temporary Roofing Model

Landfall Expected In About **4** Hours

For Official Use Only!

State	House Units per State	County	House Units per County
Alabama		Baldwin	2,200
		Clarke	< 100
		Mobile	13,400
		Washington	200
Alabama	15,800		
Mississippi		George	< 100
		Jackson	400
Mississippi	400		

THIS IS AN EXPERIMENTAL MODEL!!

Temporary roofing is based on 2% in CAT 1, 6% in CAT 2 and 10% in CAT 3.

Details about this model may be obtained at https://englink.usace.army.mil
or contact ENGLink at 1-877-936-4546

Hurricane Exercise Roofing Model

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Sources:
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LRL-DEBRIS